

PTO/SB/08A (08-03)

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/757,490
Filing Date	1/15/2004
First Named Inventor	Kimberly Moravec
Art Unit	2673
Examiner Name	
Attorney Docket Number	A3265-US-NP

Sheet	1	of	2
-------	---	----	---

## U.S. Patent Documents

[illegible]

### Foreign Patent Documents

Foreign Patent Documents						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>o</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/C.D./		JP 2002 158860 A (abstract)	05/31/2002	Canon Inc.	abstract	<input type="checkbox"/>
/C.D./		JP 01 025285 A (abstract)	01/27/1989	Fujitsu Ltd.	abstract	<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation description number (optional). <sup>2</sup> See Kinds of Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Substitute for form 1449/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (Use as many sheets as necessary)

## **Complete If Known**

Application Number	10757,490
Filing Date	1/16/2004
First Named Inventor	Kimberly Moravec
Art Unit	2673
Examiner Name	
Attorney Docket Number	A3265-US-NP

Sheet 2 of 2

## **Non Patent Literature Documents**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/C.D./		GUO, PING and LYU, MICHAEL R. "A Study on Color Space Selection for Determining Image Segmentation Region Number," Proceedings of the International Conference on Artificial Intelligence, IC-AI'2000, CSREA Press, Athens, GA, USA, Vol. 3, pp. 1127-1132, June 2000.	<input type="checkbox"/>
/C.D./		European Search Report for EPO counterpart application number EP 05 10 0243, March 30, 2005.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner  
Signature

/Clifton Daley/

Date  
Considered

10/18/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation description number (optional). <sup>2</sup> Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Form PTO-1449 US Dept. of Commerce PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY DOCKET NO. D/A3265	APPLICATION NO. 10/757,490
	APPLICANT Kimberly Moravec et al.	
	FILING DATE 1/15/2004	GROUP ART UNIT 2673

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS
/C.D./	5,424,945	6/13/1995	Bell	364	419.2
↓	5,508,718	4/16/1996	Haikin	345	150
	5,615,320	3/25/1997	Lavendel	395	131
	5,889,932	3/30/1999	Adegeest et al.	395	117
	5,909,220	6/1/1999	Sadow	345	431
	2001/0049591 A1	12/6/2001	Brunt et al.	703	001

## FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N
	WO	01/93202 A2	12/06/01	IMPERIAL CHEMICAL INDUSTRIES PLC	Y

## OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

/C.D./	YURI BOYKOV, OLGA VEKSLER, RAMIN ZABIH, "Fast Approximate Energy Minimization via Graph Cuts", IEEE transactions on Pattern Analysis and Machine Intelligence (PAMI), vol. 23, no. 11, pp. 1222-1239, 2001.
↓	K.S. FU AND J.K. MUI, "A Survey On Image Segmentation", Pattern Recognition, vol. 13, pp. 3-16, 1981.
	R.M. HARALICK, "Image Segmentation Survey", in Fundamentals in Computer Vision, O. D. Faugeras (ed.), pp. 209-224, Cambridge University Press, Cambridge, 1983.
	R.M. HARALICK AND L.G. SHAPIRO, "Survey - Image Segmentation Techniques", Computer Vision Graphics and Image Processing, vol. 29, pp. 100-132, 1985.
	N.R. PAL AND S.K. PAL, "A Review On Image Segmentation Techniques", Pattern Recognition, vol. 26, pp. 1277-1294, 1993.
	P.K. SAHOO, S. SOLTANI, A.K.C. WONG AND Y.C. CHEN, "A Survey Of Thresholding Techniques", Computer Vision, Graphics and Image Processing, vol. 41, pp. 233-260, 1988.
	J. SHI AND J. MALIK, "Normalized Cuts and Image Segmentation", IEEE Transactions on Pattern Analysis and Machine Intelligence vol. 22, pp. 888 - 905, 2000.
	U.S. Patent Application Serial No. 10/880,688, entitled "System And Method For Measuring And Quantizing Document Quality", filed 6/30/2004 (Docket No. 20021551-US-NP), which claims priority from US Provisional Patent Application, Serial Number 60/491,043, filed on July 30, 2003, and from US Provisional Patent Application, Serial Number 60/491,042, filed on July 30, 2003.
↓	U.S. Patent Application Serial No. 10/881,188, entitled "System And Method For Measuring And Quantizing Document Quality", filed 6/30/2004 (Docket No. 20021552-US-NP), which claims priority from US Provisional Patent Application, Serial Number 60/491,043, filed on July 30, 2003, and from US Provisional Patent Application, Serial Number 60/491,042, filed on July 30, 2003.

EXAMINER /Clifton Daley/	DATE CONSIDERED 10/18/2007
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	